

PROJECT DESCRIPTION

GENERAL  
THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF VIDEO DETECTION FOR EASTBOUND MD 586 AND NORTHBOUND LEFT TURN LANES ON MD 97 AT THE INTERSECTION OF MD 97 (GEORGIA AVENUE) AND MD 586 (VEIRS MILL ROAD) IN MONTGOMERY COUNTY, DUE TO THE RESURFACING AND SAFETY IMPROVEMENTS ON MD 97. ALL EXISTING VEHICULAR TRAFFIC SIGNALS WILL REMAIN. MD 97 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION  
THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA THREE-PHASE, FULL-TRAFFIC-ACTUATED MODE.

CONTROLLER REQUIREMENTS  
THE EXISTING BASE MOUNTED CONTROLLER SHALL REMAIN. VIDEO PRESENCE DETECTION IS PROPOSED ON EASTBOUND MD 586 AND THE NORTHBOUND LEFT TURN LANES ON MD 97. THE SHA SIGNAL SHOP WILL INSTALL THE VIDEO DETECTION INTERFACE EQUIPMENT.

PHONE DROP  
THE CONTRACTOR SHALL NOTIFY MR. KAMAL HAMUD OF MONTGOMERY COUNTY AT 240-777-8761 FOR THE PHONE DROP LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. HAMUD WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

Mr. Jeff Wentz  
Assistant District Engineer - Traffic  
Phone: 301-513-7385

Mr. Augle Reblish  
Assistant District Engineer - Utility  
Phone: 301-513-7350

Mr. Wayne Mowdy  
Assistant District Engineer - Maintenance  
Phone: 301-513-7304

Mr. Richard L. Daff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630

The Power Company Representative is:  
Potomac Electric Power Company  
8300 Old Marlboro Pike  
Upper Marlboro, Maryland 20772  
Phone: 301-961-5325

Mr. Kamal Hamud  
Montgomery County Department of Public Works  
Phone: 240-777-8761

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
900000	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS
973023	9 SF	SHEET ALUMINUM SIGNS: 1 EA - ASSOCIATED SHIELD ASSEMBLY "SOUTH, MD 97, THROUGH ARROW" (24 IN. X 51 IN.)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO	QUANTITY	DESCRIPTION
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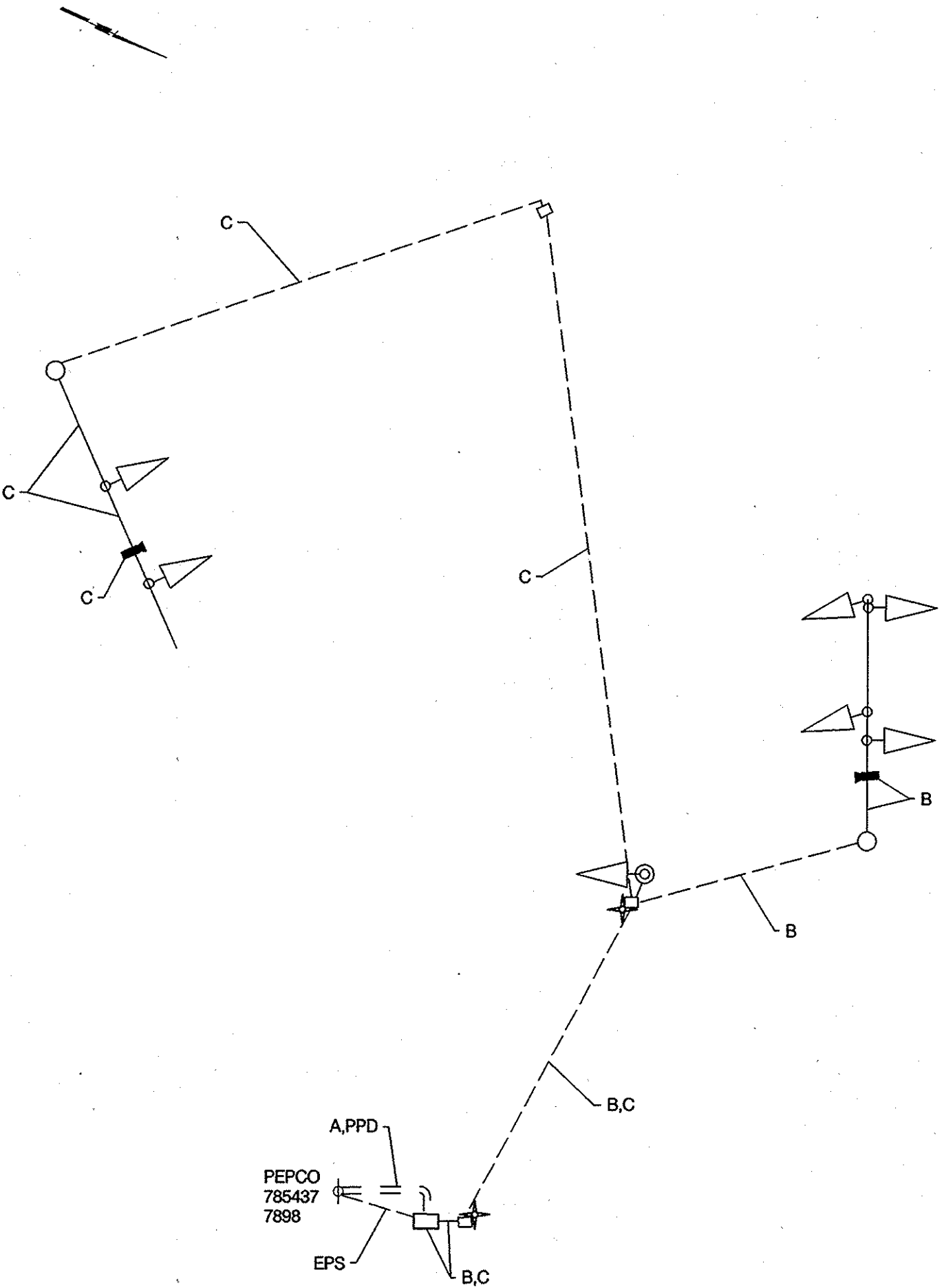
NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
585412	125 LF	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585424	110 LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
802501	25 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805125	25 LF	2 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
813015	9 SF	INSTALL OVERHEAD SIGN
816001	2 EA	VIDEO DETECTION CAMERA
816005	1 EA	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
816010	1 EA	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER

WIRING DIAGRAM



- A - NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- B - CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
- C - CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
- PPD - PROPOSED TELEPHONE SERVICE TO BE INSTALLED BY OTHERS
- EPS - EXISTING POWER SOURCE
- + - EXISTING GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH.

PHASE CHART

	1	2	3	4	5	6	7	
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PHASE 2	✓	✓	✓	G	G	R	R	→
PHASE 2 CHANGE	✓	✓	✓	Y	Y	R	R	→
PHASE 4 & 8	✓	✓	✓	R	R	G	G	→
PHASE 4 & 8 CHANGE	✓	✓	✓	R	R	Y	Y	→
FLASHING OPERATION	FL/RA	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	→

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 97 (GEORGIA AVENUE) AND  
MD 586 (VEIRS MILL ROAD)

GENERAL INFORMATION

SCALE NONE DATE 12/2006 CONTRACT NO. MO5665177

DESIGNED BY MCG COUNTY MONTGOMERY  
DRAWN BY MCG LOGMILE 15009703.27  
CHECKED BY BAB T.I.M.S. NO. H326  
F.A.P. NO. TOD NO.

DRAWING NO. TS-213A OF SHEET NO. OF

STV Incorporated  
engineers / architects / planners / construction managers  
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112